Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

Anheuser-Busch, Inc.

Facility #A0606

Facility Address:
3101 Busch Drive
Fairfield, CA 94533

Mailing Address:
P.O. Box AB
Fairfield, CA 94533

Responsible Official
Wayne P. Senalik, Plant Manager
(707) 429-2000

Facility Contact
Robert Wachter, Plant Engineer
(707) 429-7566

Type of Facility: **Brewery**
Primary SIC: 2082
Product: Beer

BAAQMD Permit Division Contact:
Craig Ullery

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

_____ _____

Ellen Garvey, Executive Officer/Air Pollution Control Officer Date

Draft

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I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/17/00);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 8/27/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 2/25/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 2/25/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00); and
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 2/25/99).
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 10/20/99).

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on [ ] and expires on [when issued, enter 5th anniversary of issue date]. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than [when issued, enter date 6 months prior to permit expiration date] and no earlier than [when issued, enter date 12 months prior to expiration date]. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after** [when issued, enter 5th anniversary of issue date]**.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, nor any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be [date of issuance] to [six months later]. The report shall be submitted by [one month after end of reporting period]. Subsequent reports shall be for the following periods: [_____ 1st through _____ 30th or 31st] and

I. Standard Conditions

[_____ 1st through _____ 30th or 31st], and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be _____ 1st to _____ 30th or 31st. The certification shall be submitted by _____ 30th or 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of

I. Standard Conditions

the terms and conditions of this permit caused by conditions beyond the permit holder's reasonable control by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval. (MOP Volume II, Part 3, §4.8)

3. Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

J. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

II. EQUIPMENT

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
S-1	Boiler #1, fired by natural gas; No. 2 fuel oil used for standby	Babcock & Wilcox	103-97	117 MM Btu/hr
S-2	Boiler #2, fired by natural gas; No. 2 fuel oil used for standby	Babcock & Wilcox	103-97	117 MM Btu/hr
S-3	Boiler #3, fired by natural gas; No. 2 fuel oil used for standby	Babcock & Wilcox	103-97	117 MM Btu/hr
S-11	Grain Unloading	MD Pneumatic	MM-17-12015	40 ton/hr
S-12	Grain Silos, Milling, and Weighing	NY Blower	Series 30	115 ton/hr
S-14	Grain Transfer Hopper	Roots Connersville	RAS-717-J	16 ton/hr
S-15	Mash Cooker #1	Custom Built		18.5 ton/hr
S-16	Mash Cooker #2	Custom Built		18.5 ton/hr
S-18	Strainmaster/Spent Grain Tank	Custom Built		18.5 ton/hr
S-20	Brew Holding Kettle	Custom Built		10,850 gal/hr
S-21	Brew Kettle	Custom Built		21,700 gal/hr
S-22	Hops Strainer	Barry Blower	165	21,700 gal/hr
S-23	Hot Wort Tank	Barry Blower	165	21,700 gal/hr
S-24	Wort Aerator /Cooler #1	Custom Built		10,850 gal/hr
S-25	Wort Aerator /Cooler #2	Custom Built		10,850 gal/hr
S-36	Grain Dust Transfer	Buhler -Miag Sutorbilt	6MB	0.45 ton/hr
S-41	Chip Washers 1 through 4	Debothelat		0.375 ton/hr
S-52	Keg Washer	Axial		500 Kegs/hr
S-60	Still Feed Tank			10,000 gal
S-61	Alcohol Distillation Degasser			57 gal/hr
S-62	Alcohol Distillation Column			57 gal/hr
S-63	Alcohol Distillation Column Condenser			57 gal/hr
S-64	Alcohol Distillation Rectifying Column			57 gal/hr

II. Equipment

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
S-65	Alcohol Distillation Rectifying Column Condenser			57 gal/hr
S-66	Alcohol Day Tank #1			1500 gal
S-67	Alcohol Day Tank #2			1500 gal
S-68	Alcohol Storage Tank #1			15000 gal
S-69	Alcohol Storage Tank #2			15000 gal
S-70	Alcohol Storage Tank #1			3200 gal
S-71	Alcohol Storage Tank #2			3200 gal
S-72	Maintenance Parts Degreaser (mineral spirits)	Safety-Kleen	30.3-90012	20 gal
S-73	Forklift Shop Parts Degreaser (mineral spirits)	Safety Kleen	16.3	10 gal
S-74	Utilities Shop Parts Degreaser (mineral spirits)	Safety Kleen	30.3-90012	20 gal
S-75	Can Coder, Line 40	Videojet Excel Series	170I	2 quarts
S-76	Can Coder, Line 40	Videojet Excel Series	170I	2 quarts
S-77	Can Coder, Line 50	Videojet Excel Series	170I	2 quarts
S-78	Can Coder, Line 50	Videojet Excel Series	170I	2 quarts
S-86	Case Coder, Line 50	Marsh	LCP/1	2 quarts
S-97	Mash Cooker #3	Barry-Blower	222	77.7 tons/hr
S-98	Mash Cooker #4	Barry-Blower	222	77.7 tons/hr
S-120	Case Coder, Line 40	Marsh	LCP/1	5 gallons
S-121	Case Coder, Line 10	Marsh	LCP/1	5 gallons
S-124	Alpha Fermentation Tanks/Carbon Deodorizers (2)	Custom Built		0.18 MM Gal
S-125	Precoat Tank	Letsch Corp.		1000 gal
S-126	Body Feed Tank #1	Letsch Corp.		1300 gal
S-127	Body Feed Tank #2	Letsch Corp.		1300 gal
S-128	Case Coder, Line 50/51	Marsh	LCP/1	5 gallons
S-130	D.E. Storage Silo			
S-132	Keg Label Coder, Line 90	Videojet	III	2 quarts
S-133	Keg Label Coder, Line 90	Videojet	III	2 quarts

II. Equipment

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
S-134	Air Pallet Unloader	Semi-Bulk Systems		
S-135	Railcar Fumigation Venting	Spencer	SA-407	
S-136	Slurry Injection Tank			1550 gal
S-137	Slurry Mix Tank	Enerfab		1550 gal
S-138	Case Coder, Line 20	Marsh	LCP/1	5 gallons
S-139	Alcohol Loading Station	Custom Built		

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-11	Baghouse	S-11	Regulation 6-301, 6-310, and 6-311	pressure drop shall be 1 to 9 psi	0.15 gr/dscf
A-12	Baghouse	S-12	Regulation 6-301, 6-310, and 6-311	pressure drop shall be 1 to 6 psi	0.15 gr/dscf
A-14	Baghouse	S-14	Regulation 6-301, 6-310, and 6-311	pressure drop shall be 1 to 9 psi	0.15 gr/dscf
A-36	Baghouse	S-36	Regulation 6-301, 6-310, and 6-311	pressure drop shall be 1 to 7 psi	0.15 gr/dscf
A-52	Dry Inertial Collector	S-52	Regulation 6-301, 6-310, and 6-311		N/A
A-125	Baghouse	S-125, S-126, S-127	Regulation 6-301, 6-310, and 6-311	Pressure drop shall be > 0.25 inches water column and < 3 inches of water column	0.15 gr/dscf

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-126	Baghouse	S-134, S-137	Regulation 6-301, 6-310, and 6-311	Pressure drop shall be > 0.5 inches water column and < 6 inches of water column	0.15 gr/dscf
A-130	Baghouse	S-130	Regulation 6-301, 6-310, and 6-311	pressure drop shall be > 0.5 inch water column and < 4 inches of water column	0.15 gr/dscf

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement.

NOTE:

There are differences between the current BAAQMD rule and the version of the rule in the SIP. For specific information, contact the District's Rule Development Section of the Enforcement Division. All sources must comply with <u>both</u> versions of the rule until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/17/00)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 5	Open Burning (11/2/94)	N
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board

2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is included in Appendix A of this permit if the SIP requirements are different from the current BAAQMD requirements. All other text may be found in the regulations themselves.

Table IV-A
S-1, S-2, S-3, Boilers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission limitations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (9/15/93)**		
9-7-301	Emission Limits-Gaseous Fuel	Y	
9-7-301.1	Emission Limits-NOx	Y	

IV. Source-specific Applicable Requirements

Table IV-A
S-1, S-2, S-3, Boilers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-7-301.2	Emission Limits-CO	Y	
9-7-302	Emission Limits-Non-Gaseous Fuel	Y	
9-7-302.1	Emission Limits-NOx	Y	
9-7-302.2	Emission Limits-CO	Y	
9-7-303	Emission Limits-Gaseous and Non-Gaseous Fuel	Y	
9-7-305	Emission Limits-Natural Gas Curtailment-Non-Gaseous Fuel	Y	
9-7-305.1	Emission Limits-NOx	Y	
9-7-305.2	Emission Limits-CO	Y	
9-7-306	Emission Limit - Equipment Testing-Non-Gaseous Fuel	Y	
9-7-306.1	Emission Limits-NOx	Y	
9-7-306.2	Emission Limits-CO	Y	
9-7-503	Records	Y	
9-7-503.2	Records of natural gas curtailment	Y	
9-7-503.3	Records of equipment testing	Y	
9-7-503.4	Source test records	Y	
9-7-603	Compliance Determination	Y	
BAAQMD Condition #13032			
Part 1	Throughput Limit [Regulation 2-1-301]	Y	
Part 2	Oxides of Nitrogen Limit [Regulation 9-7-301.1]	Y	
Part 3	Carbon Monoxide Limit [Regulation 9-7-301.2]	Y	
Part 4	Annual Source Test Requirement [Regulation 2-6-409.2]	Y	
Part 5	Fuel Oil Sulfur Content Certification [Regulation 2-6-409.2]	Y	
Part 6	Visible Emissions Monitoring for Fuel Oil Combustion [Regulation 2-6-409.2]	Y	
Part 7	Records of Visible Emissions Monitoring for Fuel Oil Combustion [Regulation 2-6-409.2]	Y	
Part 8	Monitoring for Throughput Limit [Regulation 2-1-301]	Y	

IV. Source-specific Applicable Requirements

Table IV - B
S-11 - GRAIN UNLOADING;
S-14 - GRAIN TRANSFER;

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17176			
Part 1	Pressure drop limit [Regulation 2-6-409.2]	Y	
Part 2	Recordkeeping [Regulation 2-6-409.2]	Y	

Table IV - C
S-12 - GRAIN SILOS, MILLING, AND WEIGHING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17177			
Part 1	Methyl bromide limit [toxics risk screen]	N	
Part 2	Recordkeeping [toxics risk screen]	N	
Part 3	Pressure drop limit [Regulation 2-6-409.2]	Y	
Part 4	Recordkeeping [Regulation 2-6-409.2]	Y	

IV. Source-specific Applicable Requirements

Table IV - D
S-15 - MASH COOKER #1; S-16 - MASH COOKER #2;
S-18 - STRAINMASTER/SPENT GRAINS HOLDING TANK;
S-20 - BREW HOLDING KETTLE; S-22 - HOPS STRAINER;
S-23 - HOT WORT RECEIVER; S-24 – WORT AERATOR/COOLER #1;
S-25 - WORT AERATOR/COOLER #2; S-41 - CHIP WASHERS 1-4;
S-60 - STILL FEED TANK; S-61 - ALCOHOL DISTILLATION DEGASSER ;
S-62 - ALCOHOL DISTILLATION STRIPPING COLUMN;
S-63 - ALCOHOL DISTILLATION STRIPPING COLUMN CONDENSER;
S-64 - ALCOHOL DISTILLATION RECTIFYING COLUMN;
S-65 - ALCOHOL DISTILLATION RECTIFYING COLUMN CONDENSER;
S-97 - MASH COOKER #3; S-98 - MASH COOKER #4;
S-124 – ALPHA FERMENTATION TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (6/15/94)	Y	
8-2-301	Miscellaneous Operations	Y	

IV. Source-specific Applicable Requirements

Table IV – E
Source-specific Applicable Requirements
S-21 – BREWKETTLE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (6/15/94)	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #17659			
Part 1	Beer production limit [Regulation 2-1-301]	Y	
Part 2	Recordkeeping [Regulation 2-1-301]	Y	

Table IV - F
S-36 - GRAIN TRANSFER;

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17176			
Part 3	Pressure drop limit [Regulation 2-6-409.2]	Y	
Part 4	Recordkeeping [Regulation 2-6-409.2]	Y	

IV. Source-specific Applicable Requirements

Table IV - F
S-52 – KEG WASHER;

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

Table IV - G
S-66 - ALCOHOL DAY TANK #1 (1500 GAL); S-67 - ALCOHOL DAY TANK #2 (1500 GAL); S-70 - ALCOHOL STORAGE TANK #1 (3,200 GAL); S-71 - ALCOHOL STORAGE TANK #2 (3,200 GAL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	Storage of Organic Liquids (1/20/93)	Y	
8-5-301	Storage Tanks Smaller Than 39,626 gal [cumulative increase]	Y	
8-5-501	Recordkeeping [cumulative increase]	Y	

IV. Source-specific Applicable Requirements

Table IV – H
S-68 - ALCOHOL STORAGE TANK #1 (15,000 GAL)
S-69 - ALCOHOL STORAGE TANK #2 (15,000 GAL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	Storage of Organic Liquids (1/20/93)	Y	
8-5-301	Storage Tanks Smaller Than 39,626 gal	Y	
8-5-303	Above Ground Storage Tanks Larger > 9,906 gal. And < 19,813 gal	Y	
8-5-501	Recordkeeping	Y	

Table IV-I
S-72, S-73, S-74 - Solvent Cleaning

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 16	**Organic Compounds - Solvent Cleaning Operations (9/16/98)**		
8-16-303	Cold Cleaner Requirements	Y	
8-16-304	Trichloroethylene Limitation	Y	
8-16-501	Solvent Records	Y	
8-16-501.1	Trichloroethylene	Y	
8-16-501.2	All Other Solvents	Y	
SIP Regulation 8, Rule 16	**Organic Compounds - Solvent Cleaning Operations (8/2/89)**	Y	
8-16-303	Cold Cleaner Requirements	Y	
8-16-501	Solvent Records	Y	

IV. Source-specific Applicable Requirements

Table IV-J
S-75 through S-78 - Videojet Can Coders
S-86, S-120, S-121, S-128, and S-138 - Marsh Case Coders
S-132 and S-133 - Videojet Can Coders

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 4	General Solvent and Surface Coating Operations (5/16/96)	N	
8-4-302	Solvents and Surface Coating Requirements	N	
8-4-302.3	VOC content of coating is less than 3.5 lb/gal	N	
8-4-312	Solvent Evaporation Loss Minimization	N	
8-4-501	Recordkeeping Requirements	N	
SIP Regulation 8 Rule 4	General Solvent and Surface Coating Operations (12/23/97)	Y	
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-501	Recordkeeping Requirements	Y	
Condition No. 16202	**Permit Conditions (on a per-source basis)**	Y	
Part 1	Total ink and solvent thinner usage at S-75, 76, 77, 78, 132, and 133 combined not to exceed 324 and 30 gallons, respectively, in any consecutive 12-month period. [Cumulative increase]	Y	
Part 2	Total ink and solvent thinner usage at S-86, 120, 121, 128 and 133 combined not to exceed 1,044 and 169 gallons, respectively, in any consecutive 12-month period. [Cumulative increase]	Y	
Part 3	Ink and clean-up solvent net usage shall be recorded on a monthly basis. [Regulation 8-4-501, Cumulative Increase]	Y	

Table IV – L
S-125 – PRECOAT TANK;
S-126 - BODY FEED TANK #1; S-127 - BODY FEED TANK #2;

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	

IV. Source-specific Applicable Requirements

Table IV – L
S-125 – PRECOAT TANK;
S-126 - BODY FEED TANK #1; S-127 - BODY FEED TANK #2;

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-401	Appearance of Emissions	Y	
BAAQMD Condition #17176			
Part 5	Pressure drop limit [Regulation 2-6-409.2]	Y	
Part 6	Recordkeeping [Regulation 2-6-409.2]	Y	

Table IV – M
S-130 - D.E. SILO

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #14459			
Part 1	Maintenance [Regulation 6-301]	Y	
Part 2	Prohibition of use [Regulation 6-301]	Y	
BAAQMD Condition #17176			
Part 9	Pressure drop limit [Regulation 2-6-409.2]	Y	
Part 10	Recordkeeping [cumulative increase]	Y	

IV. Source-specific Applicable Requirements

Table IV – N
S-134- ACP AIR PALLET UNLOADER AND S-137- ACP SLURRY MIX TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #9061			
Part 1	Silica Gel throughput limit [cumulative increase]	Y	
Part 2	Silica Gel throughput recordkeeping [cumulative increase]	Y	
BAAQMD Condition #17176			
Part 7	Pressure drop limit [Regulation 2-6-409.2]	Y	
Part 8	Recordkeeping [Regulation 2-6-409.2]	Y	

Table IV – O
S-135 - FUMIGATED RAILCAR PURGING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (6/15/94)	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition 8195			
Part 1	Aluminum Phosphide limitation [toxics risk screen]	N	
Part 2	Phosphine Emission limitation [toxics risk screen]	N	
Part 3	Railcar Unloading limitation [toxics risk screen]	N	
Part 4	Fumigant Formulation limitation [toxics risk screen]	N	
Part 5	Recordkeeping [toxics risk screen]	N	

IV. Source-specific Applicable Requirements

Table IV – P
S-136- ACP SLURRY INJECTION TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

Table IV – Q
S-139 - ALCOHOL LOADING STATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 2	Miscellaneous Operations (6/15/94)	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition 15891			
Part 1	Daily and Annual Alcohol throughput limit [cumulative increase]	Y	
Part 2	Recordkeeping [cumulative increase]	Y	

V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

Condition #8195
S-135, Railcar Fumigation Venting:

*1) Aluminum phosphide shall not be added in excess of 218 grams per railcar without prior written approval from the District. [toxic risk screen]

*2) Phosphine shall not be vented in excess of 0.16 pounds per railcar. [Toxic risk screen]

*3) ~~Not more than 6 railcars shall be unloaded on an annual average daily basis~~. Railcar unloading shall not exceed 2,190 cars in any 12 consecutive month period. [toxic risk screen]

*4) Fumigant formulations other than 55% aluminum phosphide and 45% ammonium carbamate shall not be used without prior written District authorization. [toxic risk screen]

*5) Recordkeeping shall be maintained on a monthly basis of the quantity of Aluminum phosphide added to each railcar and the quantity of railcars unloaded. Records shall be maintained for a period of 5 years and made readily available to District staff upon request. [toxic risk screen]

Condition #9061
S-134, ACP Air Pallet Unloader:

1. The throughput of silica gel at each of the air pallet unloader (S-134) and slurry mix tank (S-137) shall not exceed 200 tons during any rolling 12 consecutive month period. [cumulative increase]

2. To demonstrate compliance with Condition #1, the monthly throughput of silica gel at each of S-134 and S-137, totaled on a yearly basis, shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least ~~24 months~~ five years from the date on which a record is made. [cumulative increase]

VI. Permit Conditions

Condition #13032
S-1, S-2, and S-3, Boilers:

1. Fuel usage at each boiler, S-1, S-2, S-3, shall not exceed 1,024,940 MMBtu for any consecutive 12-month period. [2-1-301]

2. Emissions of nitrogen oxides (NOx) shall not exceed 30 ppmv, dry at 3% oxygen, as determined by Source Test Method 13A or 13B (District Manual of Procedures, Volume IV). [9-1-301.1]

3. Emissions of carbon monoxide (CO) shall not exceed 400 ppmv, dry at 3% oxygen, as determined by Source Test Method 6 (District Manual of Procedures, Volume IV). [9-1-301.2]

4. A District approved source test shall be performed on an annual basis to verify compliance with the NOx and CO emission standards. [basis: Regulation 2-6-409.2]

5. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. [basis: Regulation 2-6-409.2]

6. S-1, S-2, and S-3 Boilers, shall be checked for visible emissions after combustion of one million gallons of fuel oil at each boiler. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action within one week, and check for visible emissions after corrective action is taken. If no visible emissions are detected, the operator shall continue to check for visible emissions at the same frequency. (basis: Regulation 2-6-409.2)

7. The operator shall keep records of all visible emissions checks, the person performing the check, and all corrective action taken at S-1, S-2, and S-3, Boilers. The records shall be retained for five (5) years and shall be made available to District personnel upon request. (basis: Regulation 2-6-409.2)

8. To determine compliance with part 1 of this condition, the operator shall maintain the records of the fuel usage at each boiler on a monthly basis. The operator shall also summarize the fuel usage for each consecutive 12-month period at the end of each month. All records shall be recorded in a District-approved log. All records shall be retained on-site for five years from the date of entry and made available for inspection by District staff upon request. [2-1-301]

VI. Permit Conditions

Condition #14459
S-130, Diatomaceous Earth Storage Silo

1. A-130 baghouse shall be maintained in good working order at all times. [Regulation 6-301]

2. Written authorization shall be obtained prior to using material other than diatomaceous earth or perlite. [Regulation 6-301]

Condition #15891
S-139, Alcohol Loading

1. Total alcohol load out shall not exceed 400,000 gallons in any consecutive 12-month period or 15,385 gallons in any consecutive 24-hour period. [cumulative increase]

2. A District approved logbook shall be maintained on a monthly basis of the amount of alcohol loaded. Records shall be retained for a period of at least five years from the date of entry and shall be made available to District staff upon request. [cumulative increase]

Condition #16202
S-75, S-76, S-77, S-78, S-132, and S-133, Videojet Can, Case, and Label Coders,
S-86, S-120, S-121, S-128, and S-13, Marsh Case Coders:

1. Ink usage at S-75, S-76, S-77, S-78, S-132, and S-133 combined shall not exceed 324 gallons in any consecutive 12-month period. Solvent thinner usage at S-75, S-76, S-77, S-78, S-132, and 133 combined shall not exceed 30 gallons in any consecutive 12-month period. [cumulative increase]

2. Ink usage at S-86, S-120, S-121, S-128, and S-138 combined shall not exceed 1,044 gallons in any consecutive 12-month period. Solvent thinner usage at S-86, S-120, S-121, S-128, and S-138 combined shall not exceed 169 gallons in any consecutive 12-month period. [cumulative increase]

3. A District approved logbook ~~shall be maintained on a monthly basis~~ of the amount of ink and solvent used in these sources shall be maintained on a monthly basis. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [BAAQMD 8-4-501, cumulative increase]

VI. Permit Conditions

Condition #17176

S-11, Grain Unloading; S-14, Grain Transfer Hopper

1. The pressure drop across the baghouse abating this source shall not be less than 1 inch of water nor exceed 9 inches of water. [Regulation 2-6-409.2]

2. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]

S-36, Grain Dust Transfer

3. The pressure drop across the baghouse abating this source shall not be less than 1 inch of water nor exceed 7 inches of water. [Regulation 2-6-409.2]

4. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]

S-125, Precoat Tank; S-126, Body Feed Tank #1; and S-127, Body Feed Tank #2

5. The pressure drop across the baghouse abating this source shall not be less than 0.25 inches of water nor exceed 3 inches of water. [Regulation 2-6-409.2]

6. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]

S-134, ACP Air Pallet Unloader; S-137, ACP Slurry Mix Tank

7. The pressure drop across the baghouse abating this source shall not be less than 0.5 inches of water nor exceed 6 inches of water. [Regulation 2-6-409.2]

8. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]

S-130, D.E. Silo

9. The pressure drop across the baghouse abating this source shall not be less than 0.5 inches of water nor exceed 4 inches of water. [Regulation 2-6-409.2]

VI. Permit Conditions

Condition #17176
S-130, D.E. Silo

10. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]

Condition #17177
S-12, Grain Silos, milling, and weighing

*1. The use of methyl bromide at this source shall not exceed 2,500 pounds in any 12 consecutive month period. [toxic risk screen]

*2. Records of the quantity of methyl bromide used at this source shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [toxic risk screen]

3. The pressure drop across the baghouse abating this source shall not be less than 1 inch of water nor exceed 6 inches of water. [Regulation 2-6-409.2]

4. Records of the pressure drop across the baghouse shall be maintained on a monthly basis in a District approved logbook. Records shall be retained for a period of at least 5 years from the date of entry and made readily available to District staff upon request. [Regulation 2-6-409.2]

Condition #17659
S-21, Brew Kettle

1. Beer production at the brew kettle, S-12, shall not exceed 4,006,080 barrels for any consecutive 12-month period. A barrel shall be equivalent to 31 gallons. [2-1-301]

2. To determine compliance with part 1 of this condition, the operator shall maintain the records of the beer production on a monthly basis. The operator shall also summarize the beer production for each consecutive 12-month period at the end of each month. All records shall be recorded in a District-approved log. All records shall be retained on-site for five years from the date of entry and made available for inspection by District staff upon request. [2-1-301]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either annual (A), quarterly (Q), monthly (M), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII-A
S-1, S-2, AND S-3 – BOILERS

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD 9-7-301.1	Y		30 ppmv @3%O2, dry, 3-hr average	BAAQMD Condition 13032, Part 3	P/A	Annual source test
	BAAQMD 9-7-302.1	Y		40 ppmv @3%O2, dry, 3-hr average		N	
	BAAQMD 9-7-305.1	Y		150 ppmv @ 3%O2, dry, 3-hr average		N	
	BAAQMD 9-7-306.1	Y		150 ppmv @ 3%O2, dry, 3-hr average		N	
	BAAQMD Condition 13032, Part 1	Y		30 ppmv @ 3%O2, dry, 3-hr average	BAAQMD Condition 13032, Part 3	P/A	Annual source test
CO	BAAQMD 9-7-301.2	Y		400 ppmv @3%O2, dry, 3-hr average	BAAQMD Condition 13032, Part 3	P/A	Annual source test
	BAAQMD 9-7-302.2	Y		400 ppmv @3%O2, dry, 3-hr average		N	
	BAAQMD 9-7-305.2	Y		400 ppmv @3%O2, dry, 3-hr average		N	
CO	BAAQMD 9-7-306.2	Y		400 ppmv @3%O2, dry, 3-hr average		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-A
S-1, S-2, AND S-3 – BOILERS

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition 13032, Part 2	Y		400 ppmv @3%O2, dry, 3-hr average	BAAQMD Condition 13032, Part 3	P/A	Annual source test
SO2	BAAQMD 9-1-301	N		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)		N	
	BAAQMD 9-1-304	Y		Sulfur content of fuel <0.5% by weight	BAAQMD Condition 13032 part 4	P/E	Fuel certification by vendor
TSP	BAAQMD 6-301	Y		Ringelmann No. 1 (natural gas)		N	
	BAAQMD 6-301	Y		Ringelmann No. 1 (fuel oil)	BAAQMD Condition 13032 part 5	P/every 1 million gal combusted	Visible emissions check
	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	
Heat input	BAAQMD Condition 13032, Part 1	Y		1,024,940 MMBtu/yr for each boiler	BAAQMD Condition 13032, Part 8	P/M	Recordkeeping

[1] Ground Level Concentration

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - B
S-11 - GRAIN UNLOADING;
S-14 - GRAIN TRANSFER

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		< Ringelmann 1 for more than 3 min/hr	BAAQMD Condition 17176, Part 1	P/W	Pressure drop monitoring
	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 1	P/W	Pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17176, Part 1	P/W	Pressure drop monitoring

Table VII – C
S-12 - GRAIN SILOS, MILLING, AND WEIGHING

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		< Ringelmann 1 for more than 3 min/hr	BAAQMD Condition 17177, Part 3	P/W	Pressure drop monitoring
	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17177, Part 3	P/W	Pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17177, Part 3	P/W	Pressure drop monitoring
MeBr	BAAQMD Condition #17177 Part 1	N		2,500 lb/yr	BAAQMD Condition 17177 Part 2	P/M	Recordkeeping

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - D
S-15 - MASH COOKER #1; S-16 - MASH COOKER #2;
S-18 – STRAINMASTER/SPENT GRAINS HOLDING TANK;
S-20 - BREW HOLDING KETTLE;
S-22 - HOPS STRAINER; S-23 - HOT WORT RECEIVER;
S-24 - WORT AERATOR/COOLER #1; S-25 - WORT AERATOR/COOLER #2;
S-41 - CHIP WASHERS 1-4
S-60 - STILL FEED TANK; S-61 – ALCOHOL DISTILLATION DEGASSER;
S-62 - ALCOHOL DISTILLATION STRIPPING COLUMN;
S-63 - ALCOHOL DISTILLATION STRIPPING COLUMN CONDENSER;
S-64 - ALCOHOL DISTILLATION RECTIFYING COLUMN;
S-65 - ALCOHOL DISTILLATION RECTIFYING COLUMN CONDENSER
S-97 - MASH COOKER #3; S-98 - MASH COOKER #4
S-124 – ALPHA FERMENTATION TANKS

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None

Table VII - E
S-21 - BREWKETTLE

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None
Beer produc-tion	BAAQMD Condition 17659 Part 1	Y		4,006,080 barrels/yr (each barrel = 31 gallons)	BAAQMD Condition 17659 Part 2	P/M	Recordkeeping

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - F
S-36 - GRAIN TRANSFER

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		< Ringelmann 1 for more than 3 min/hr	BAAQMD Condition 17176, Part 3	P/M	Pressure drop monitoring
	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 3	P/M	Pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17176, Part 3	P/M	Pressure drop monitoring

Table VII – G
S-52 – KEG WASHER

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		< Ringelmann 1 for more than 3 min/hr		N	
	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume		N	
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-H
S-75 through S-78 - Videojet Can Coders
S-86, S-120, S-121, S-128, and S-138 - Marsh Case Coders
S-132 and S-133 - Videojet Can Coders

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-4-302.3	N		5 tons POC on an annualized basis	BAAQMD 8-4-501	P/A	records
VOC	SIP 8-4-302	Y		5 tons POC on a calendar year basis	BAAQMD 8-4-501	P/A	records
VOC	BAAQMD Condition 16202 Part 1	Y		Total ink usage at S-75, S-76, S-77, S-78, S-132, and S-133 combined not to exceed 324 gal/yr. Solvent thinner usage at S-75, S-76, S-77, S-78, S-132, and S-133 combined not to exceed 30 gal/yr.	BAAQMD Condition 16202 Part 3	P/M	records
	BAAQMD Condition 16202 Part 2	Y		Total ink usage at S-86, S-120, S-121, S-128, and S-138 combined not to exceed 1,044 gal/yr. Solvent thinner usage at S-75, S-76, S-77, S-78, S-132, and S-133 combined not to exceed 169 gal/yr.	BAAQMD Condition 16202 Part 3	P/M	records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII – I
S-125 – PRECOAT TANK; S-126 - BODY FEED TANK #1; S-127 – BODY FEED TANK #2

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		< Ringelmann 1 for more than 3 min/hr	BAAQMD Condition 17176, Part 5	P/M	Pressure drop monitoring
	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 5	P/M	Pressure drop monitoring
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17176, Part 5	P/M	Pressure drop monitoring

Table VII - J
S-130 - D.E. SILO

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		< Ringelmann 1 for more than 3 min/hr	BAAQMD Condition 17176, Part 9	P/M	Pressure drop monitoring
	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 9	P/M	Pressure drop monitoring
TSP	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition 17176, Part 9	P/M	Pressure drop monitoring

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - K
S-134 - ACP AIR PALLET UNLOADER
S-137- ACP SLURRY MIX TANK;

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes	BAAQMD Condition 17176, Part 7	P/M	Pressure drop
TSP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 17176, Part 7	P/M	Pressure drop
TSP	BAAQMD Regulation 6-311	Y		No emissions from source > rate (lb/hour)	BAAQMD Condition 17176, Part 7	P/M	Pressure drop
	BAAQMD Condition 9061, part 1	Y		Throughput less than 200 tons/yr	BAAQMD Condition 9061, part 2	P/M	records

Table VII - L
S-135 - FUMIGATED RAILCAR PURGING

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None
HAP	BAAQMD Condition #8195 Part 1	N		Aluminum phosphide limit: 218 grams/railcar	BAAQMD Condition #8195 Part 5	P/M	Recordkeeping
HAP	BAAQMD Condition #8195 Part 2	N		Phosphine emission limit: 0.16 lb/railcar	BAAQMD Condition #8195 Part 5	P/M	Recordkeeping

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII - L
S-135 - FUMIGATED RAILCAR PURGING

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	BAAQMD Condition #8195 Part 3	N		2,190 railcar/yr limit	BAAQMD Condition #8195 Part 5	P/M	Recordkeeping
HAP	BAAQMD Condition #8195 Part 4	N		Specified fumigant formulation	BAAQMD Condition #8195 Part 5	P/M	Recordkeeping

Table VII - M
S-136 - ACP SLURRY INJECTION TANK

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		< Ringelmann 1 for more than 3 min/hr		N	
	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume		N	
	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-N
S-139 - ALCOHOL LOADING STATION

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		Emissions of total carbon (dry basis) shall not exceed 15 lb/day and 300 ppm	None	N	None
VOC	BAAQMD Condition 15891, Part 1	Y		Alcohol loadout limited to 400,000 gallons on an annualized basis or 15,385 gallons in any consecutive 24 hour period	BAAQMD Condition 15891, Part 2	P/M	records

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 8-2-301	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling; or EPA Method 25 or Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-4-302	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-methane Organic Carbon Sampling
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-7-301.1	Determination of Nitrogen Oxides	Manual of Procedures, Volume IV, ST-13 A or B, Oxides of Nitrogen, Continuous or Integrated Sampling
BAAQMD 9-7-301.2	Determination of Carbon Monoxide and Stack-Gas Oxygen	Manual of Procedures, Volume IV, ST-6, Carbon monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-302.1	Determination of Nitrogen Oxides	Manual of Procedures, Volume IV, ST-13 A or B, Oxides of Nitrogen, Continuous or Integrated Sampling
BAAQMD 9-7-302.2	Determination of Carbon Monoxide and Stack-Gas Oxygen	Manual of Procedures, Volume IV, ST-6, Carbon monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling

X. GLOSSARY

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEQA
California Environmental Quality Act

CFR
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO
Carbon Monoxide

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

District
The Bay Area Air Quality Management District

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

X. Glossary

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

HAP
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

Major Facility
A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

MFR
Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP
The District's Manual of Procedures.

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

NMHC
Non-methane Hydrocarbons

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

NSR
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well

X. Glossary

as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

Phase II Acid Rain Facility
A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SIP
State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO2
Sulfur dioxide

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

X. Glossary

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
mm	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

XI. APPLICABLE STATE IMPLEMENTATION PLAN

See Attachments